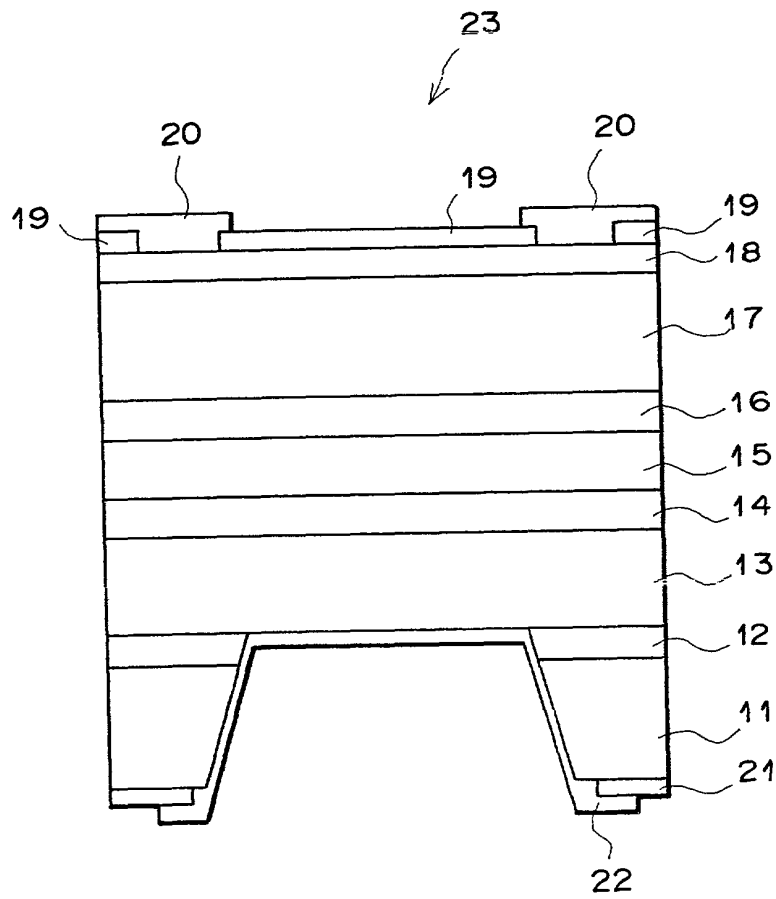
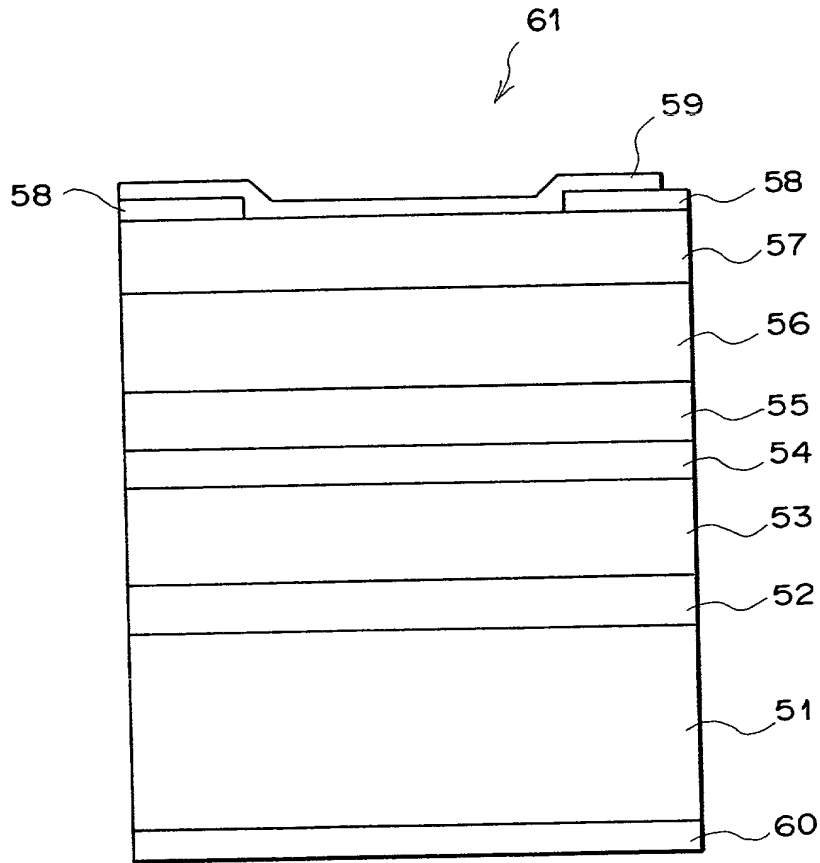


F I G . 1

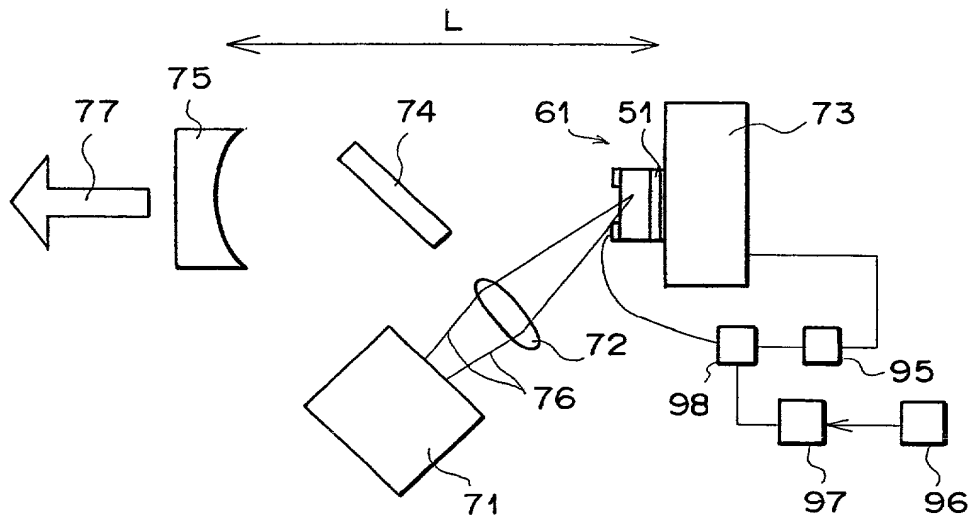


The diagram illustrates a laser Doppler velocimeter system. A laser beam (37) passes through a polarizing beam splitter (40) and is directed to an APC CIRCUIT (41). The beam is then reflected by a mirror (35) and focused by a lens (36) onto a probe volume (32) within a fluid flow (33). The probe volume is defined by the intersection of two beams (31 and 32). The scattered light is collected by a lens (34) and a photodetector (35). The photodetector output is processed by an APC CIRCUIT (41), which generates a signal (42) and a reference signal (43). The signals are then mixed in a mixer (44) to produce a Doppler signal (45). The distance between the probe volume and the photodetector is labeled L.

FIG. 3

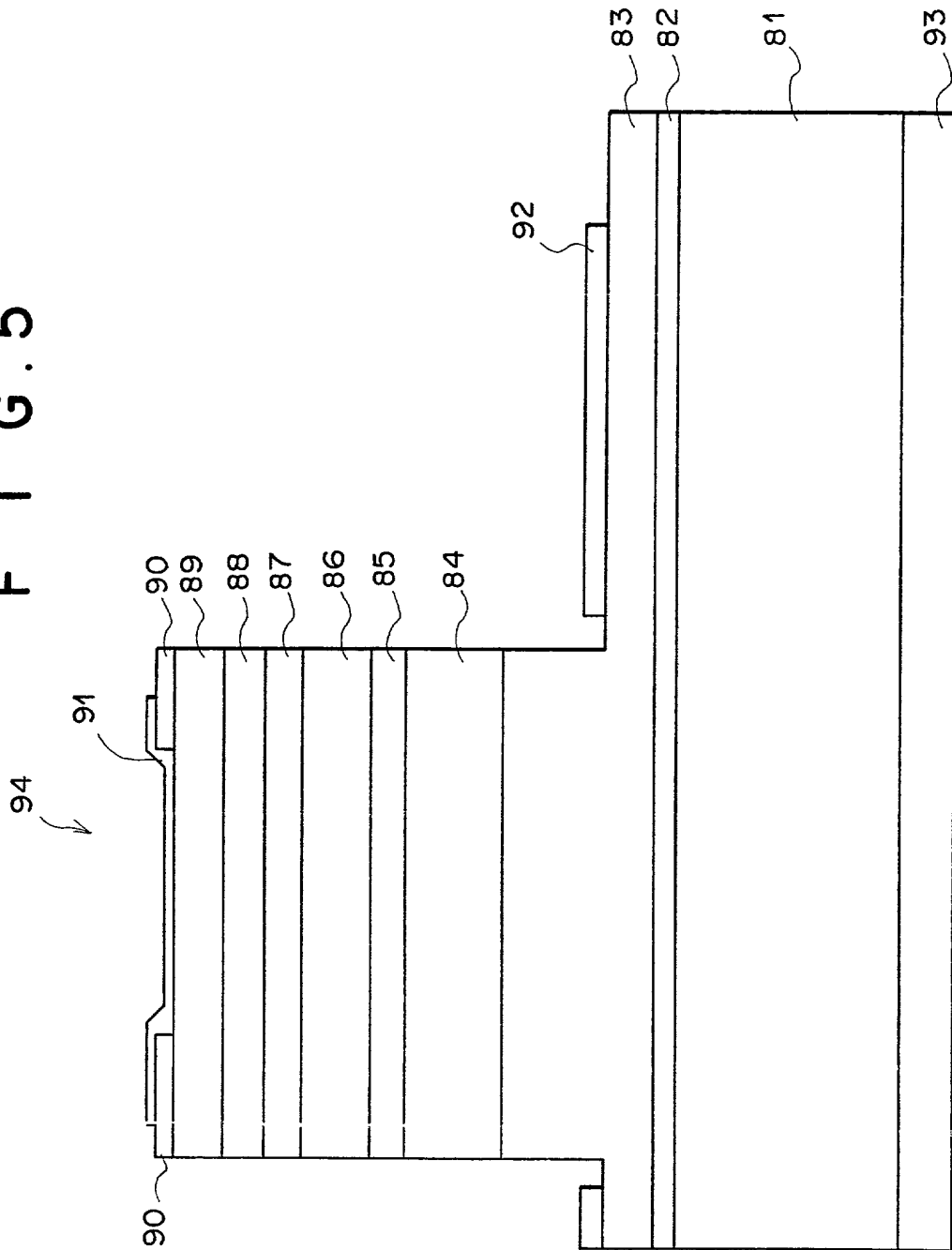


F I G . 4

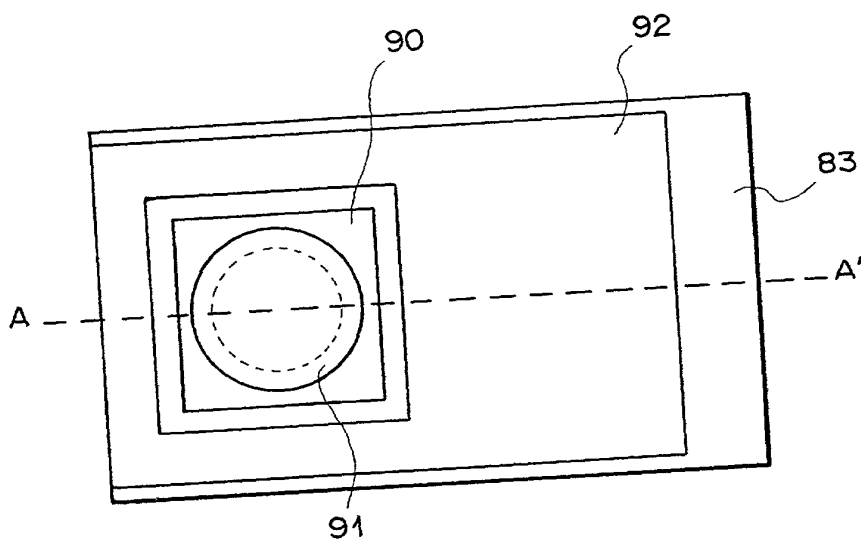


106020 9856 60

FIG. 5



F I G . 6



F I G . 7

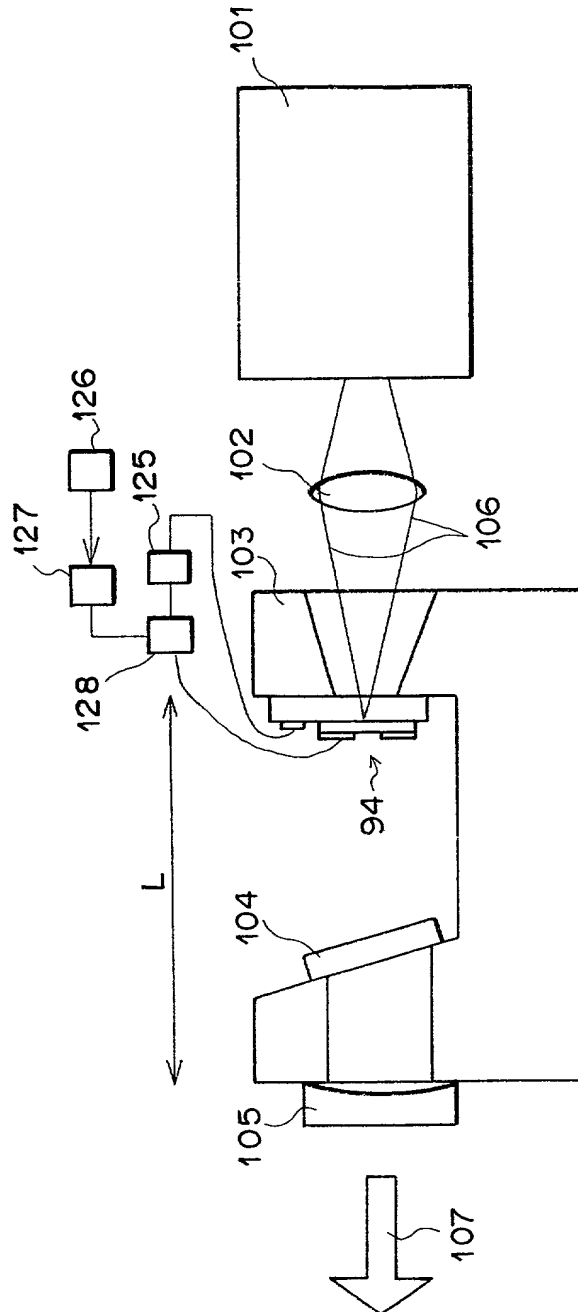
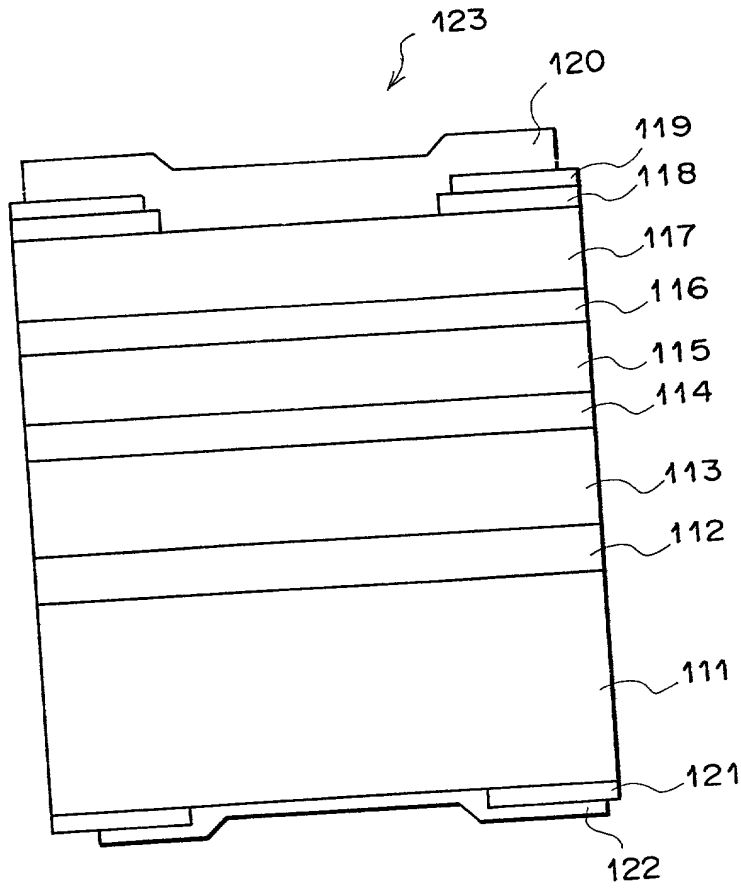


FIG. 8



F I G . 9

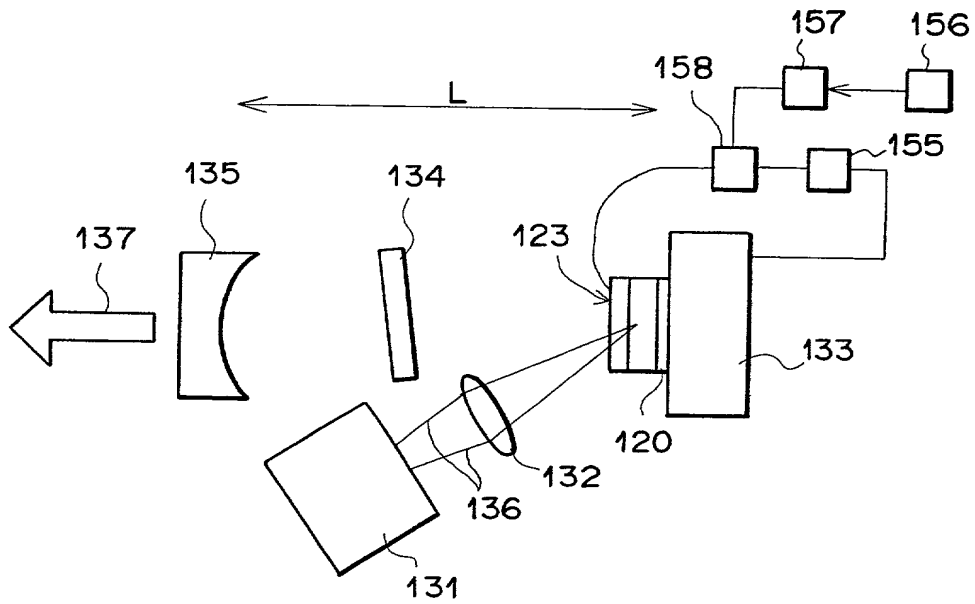
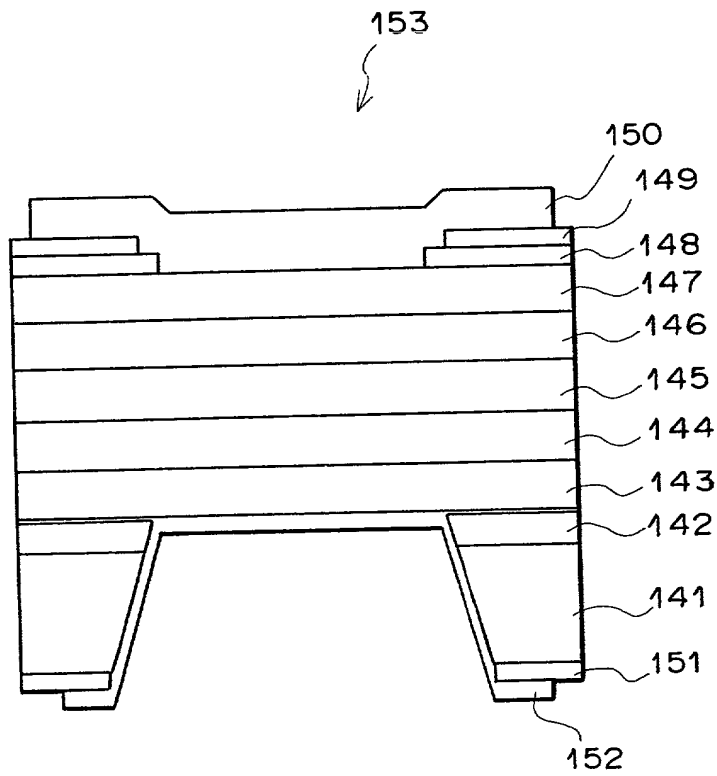
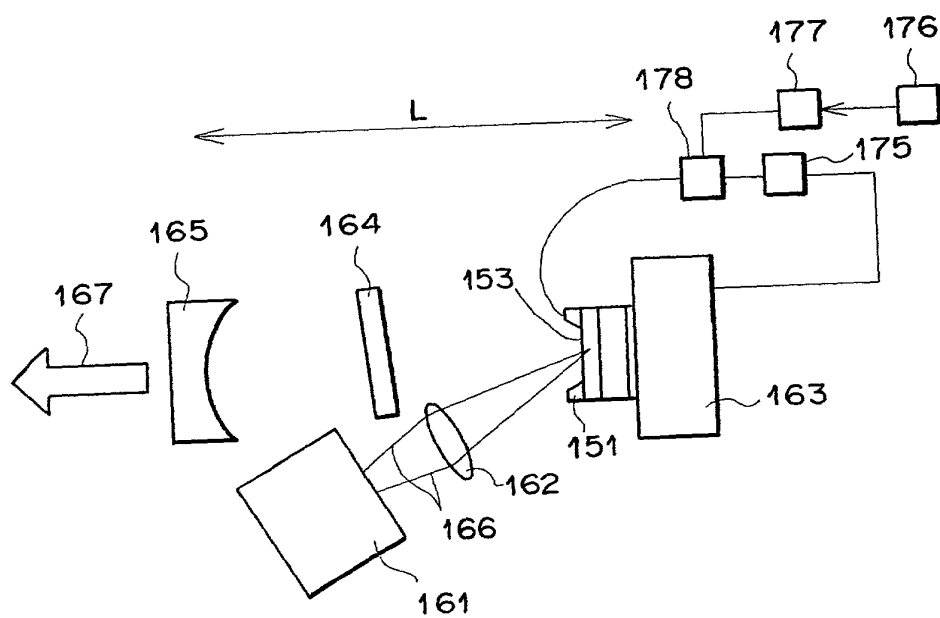


FIG. 9

F I G . 10



F I G . 1 1



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